## **Models**

## Densifier D10

EPS Densifier D10, ideal for distribution centers and department stores with semi-large volumes of EPS waste. Its compact, robust design includes a pre-breaker and integrated power unit for efficient processing, producing dense logs ready for recycling.

## Densifier D30

EPS Densifier D30 is tailored for recycling centers and large distribution facilities. It boasts customizable integration options like bag houses, pre-crushers, and force feeders. Engineered for long-lasting, heavy-duty performance, it ensures reliable operation for years to come.

## Densifier D120

The Densifier D120 offers a unmatched capacity with customizable features like bag houses and pre-breakers. Engineered for peak performance and efficiency, it sets the industry standard for performance.

# **Dimensional Data and Specifications**

	D10	D30	D120
Chamber volume (cu. feet)	2	2	9
Motor (HP)	15	15	30
Cylinder (diameter)	(1) 6″	(1) 6"	(2) 7"
Ram force (PSI)	490	490	495
Total force (lbs)	71,000	71,000	192,000
Feed capacity (lbs/hr)	up to 120	up to 300	up to 1,200
Compaction ration	up to 50:1	up to 50:1	up to 50:1
Output density (lbs/ft)	15 - 20	15 - 20	16 - 22
Machine weight (lbs)	7,000	3,700	10,000
Power unit weight (lbs)	N/A	1,250	1,890
Pre-breaker	Included	Optional	Optional
Baghouse	Optional	Optional	Optional
Forcefeeder	Optional	Included	Included

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## **50:1 DENSIFICATION WITH**

- NO HEAT
- NO DUST
- NO TOXIC FUMES







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# **EPS Densifier**

Revolutionize your EPS recycling process with our advanced compactors. Engineered with cutting-edge technology, our machines efficiently collect and compress EPS materials, maximizing storage space and reducing transportation costs. From bulky packaging to insulation waste, our compactors handle it all, converting EPS into reusable resources. With precision engineering and user-friendly operation, our equipment ensures minimal downtime and maximum output.

Experience innovation without the use of heat! Unlike traditional compactors, our cutting-edge design eliminates the need for heat generation during the EPS recycling process. This unique feature not only reduces energy consumption but also minimizes environmental impact. No heat means no fumes in the process and no jamming of the EPS in the compactor, as you would see in auger operated equipment, ensuring a safer and smoother recycling operation.

By opting for our heat-free compactors, you're choosing a sustainable solution that prioritizes efficiency and eco-friendliness. Join the forefront of sustainable practices and unlock the full potential of EPS recycling with our industry-leading compactors. Transform waste into Return On Investment today.

## **Features & Benefits**











No heat generated

- No toxic fumes
- Integral dust collection port

### Sealed design/ clean operation

Low energy requirements

## **D10 EPS Densifier, How It Works**

- **1** Rejects enters the hopper
- 2 Sensor detects material, sends info to main control, ram moves forward
- 3 Ram moves forward compacting material in compression channel
- 4 EPS will be compacted into a dense block without friction no heat is generated
- Compressed EPS moves forward and will act as a plug when the machine takes a new load of material
- 6 The length of the block is adjustable can be broken into desired length
- Material clamp will make sure the machine holds the material when it needs to stay in and releases it when a new load has been fed
- 8 Compressed material will be pushed out on to the discharge table ready to be stacked & shipped.

## **Application examples**





Input material

**Output material** 





We've dramatically cut back on our waste hauling. That was one of our driving forces to procure this equipment."

Kurt Kurzawa, Program Manager – Logistics Recycling & Enterprise Waste, Best Buy